

Title (en)

Optical transmission apparatus, and output stabilization control method for an optical modulator used in the optical transmission apparatus

Title (de)

Optisches Sendegerät und Stabilisationsverfahren zur Steuerung der Ausgangsleistung eines in einem optischen Sendegerät verwendeten optischen Modulators

Title (fr)

Dispositif de transmission optique et procédé de stabilisation de la puissance de sortie d'un modulateur optique utilisé dans le dispositif de transmission optique

Publication

**EP 1168039 A3 20031119 (EN)**

Application

**EP 01113353 A 20010601**

Priority

JP 2000199896 A 20000630

Abstract (en)

[origin: EP1168039A2] The optical transmission apparatus has an optical modulator (2) of Mach-Zehnder type, a light source (1) which supplies an optical signal to the optical modulator (2), a branching filter (3) for taking out a part of an output optical signal, an optical spectrum monitor (4) for monitoring an optical spectrum of an output optical signal taken out, an error signal generator circuit (11) for generating an error signal that shows a bias voltage error based on a result of this monitoring, and a bias voltage control circuit (5) for applying a bias voltage added with this error signal to the optical modulator (2). <IMAGE>

IPC 1-7

**G02F 1/03**; **G02F 1/21**; **H04B 10/155**; **G02F 1/01**

IPC 8 full level

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CPC (source: EP US)

**G02F 1/0123** (2013.01 - EP US); **H04B 10/505** (2013.01 - EP US); **H04B 10/50575** (2013.01 - EP US); **H04B 10/508** (2013.01 - EP US); **H04B 10/58** (2013.01 - EP US); **G02F 1/212** (2021.01 - EP US)

Citation (search report)

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